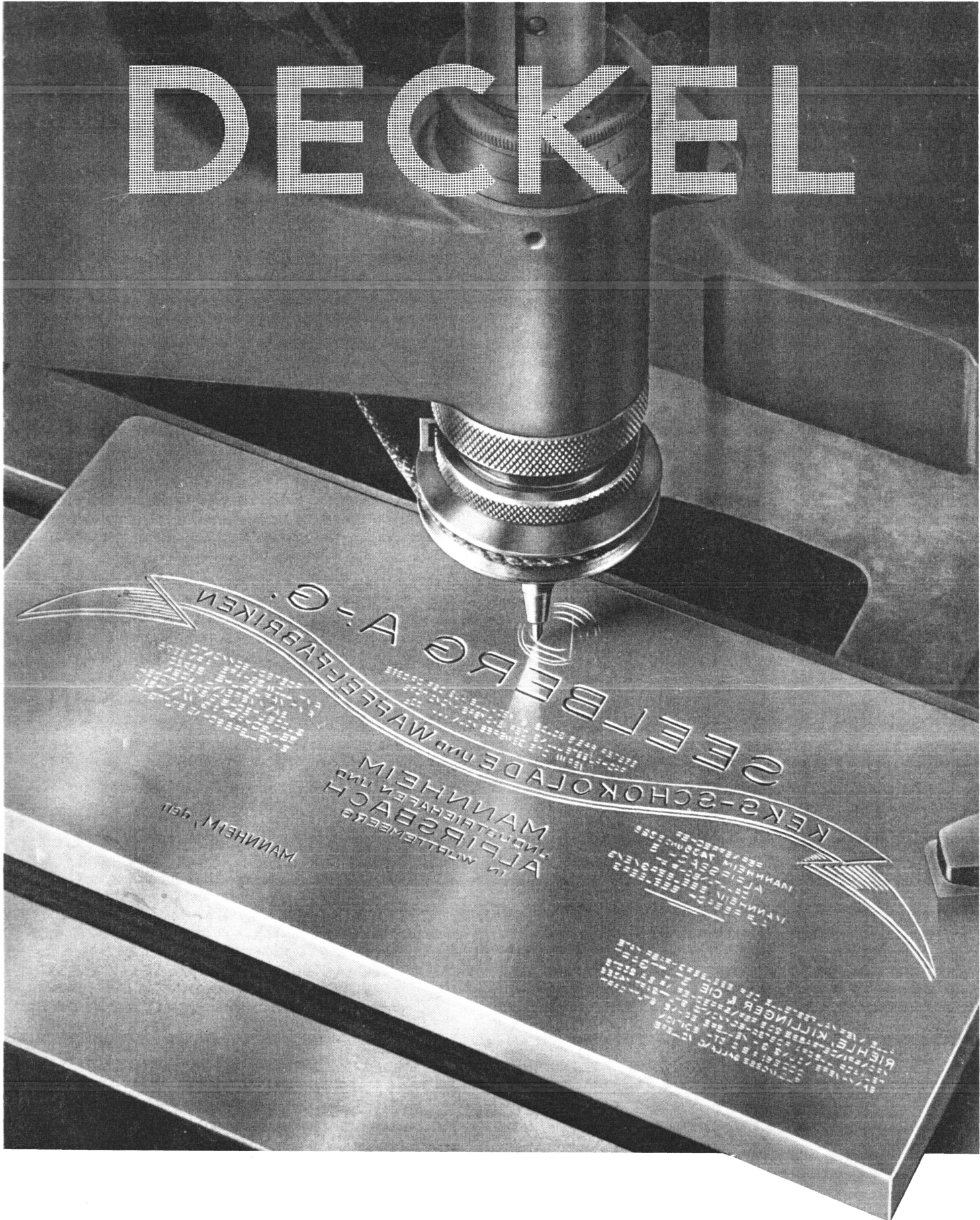


DECKEL



Type **TEMPLATES**

FOR LETTER ENGRAVING MACHINES

Normally, when workpieces are to be provided with standard type letterings by the methods of mechanical engraving, electro-marking or etching, use is made of exchangeable type face templates of which the desired text is composed and which are then inserted into the retaining grooves of the template holder. In the case of three-dimensional engraving machines, such as the GK or KF type machines, these type face templates will have to be inserted into a template holder which is in turn mounted on the master supporting table.

TYPE TEMPLATE MATERIALS

All type templates shown in this catalogue are made of a highly wear-resistant material, i.e. hard brass, so that under the usual service conditions the wear of the edges and grooves of the templates by the tracing stylus is kept within reasonable limits, thus ensuring uniform accuracy and a long useful life of the templates. Where particularly exacting conditions have to be coped with, for example where very hard materials have to be engraved, steel templates as well as case-hardened templates are available.

STYLES OF TYPE TEMPLATES

The design of the standard style type templates in which the height of the characters is 20 mm. ($\frac{3}{4}$ in.) is shown in Fig. 1; type templates in which the height of the characters is 40 mm. ($1\frac{1}{2}$ in.) are also available, these templates being mounted in a special dovetailed holder (see Fig. 11). Shown at the bottom of Fig. 1 are prong-type templates which are intended for use with the universal copy dial illustrated in Fig. 12.

DOVETAIL TEMPLATES

Dovetail type templates are available for characters having a height of 20 mm. ($\frac{3}{4}$ in.) and 40 mm. ($1\frac{1}{2}$ in.), respectively. When ordering these templates, please state the type of grooves (metrical type or inch-type) into which they will have to be inserted. Most of the type faces shown on pages 4 and 5 are available in four different template styles:

Sunk, direct-reading characters for all types of lettering such as in nameplates, for the identification of property, etc., where direct-reading letters are to be produced by engraving, etching or electro-marking.

Sunk, reflected characters for engraved work in cases in which it is intended to have type impressions appear in raised direct-reading form, for example in embossing plates for letterheads, labels, etc., dies for lead seals, information plates on machinery, stamps for paper seals, moulding dies and similar work.

Raised, direct-reading characters for engraved work in the form of raised characters as used in nameplates, embossing dies, sheet-metal tags and the like.

Raised, reflected characters for engraved work in raised reflected form in cases where it is intended to have type impressions appear in sunk, direct-reading form, for example in marking punches, branding stamps, embossing wheels, embossing dies, etc.

PRONG-TYPE TEMPLATES

These special templates are provided with studs and used in combination with the universal copy dial (see Fig. 12). Prong-type templates are available with any of the characters (sunk) and the width of letter, shown on pages 4 and 5.

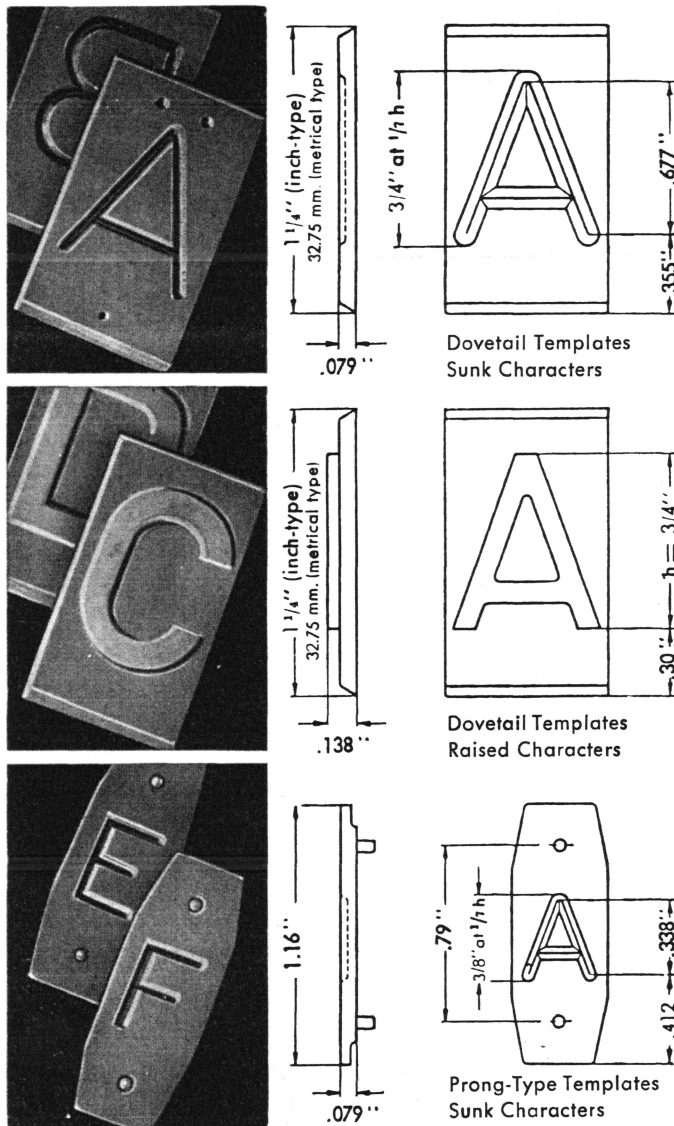


Fig. 1 – Standard Style Dovetail and Prong-Type Templates

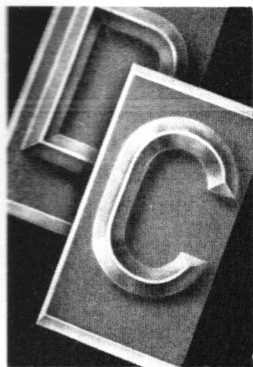
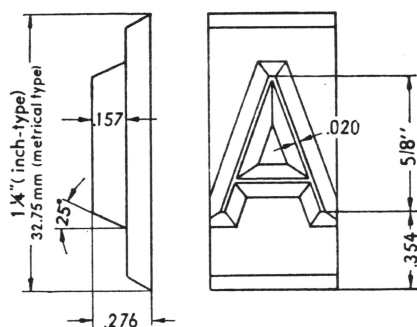


Fig. 2



RAISED LETTER TEMPLATES

These templates make it possible to produce finish-engraved sharp-cornered raised letters. However, this type of work requires the use of a universally movable three-dimensional pantograph which is available in Model GK and KF machines only.

These templates have to be inserted into the dovetailed template holder which is in turn mounted on the master supporting table of the machine. They are available with characters having the standard widths given in the German Standard Specifications DIN-1451/II and DIN-1451/IV.

Here is a brief description of the method used: The tracing stylus and the cutter, both ground to sharp points, first follow the basic contours of the characters and are then raised along the corners in order to produce sharp edges. In order to avoid distortion of the bevelled sides of the characters, care should be taken to make the angle of the stylus point by 1° to 2° larger than that of the cutter point.

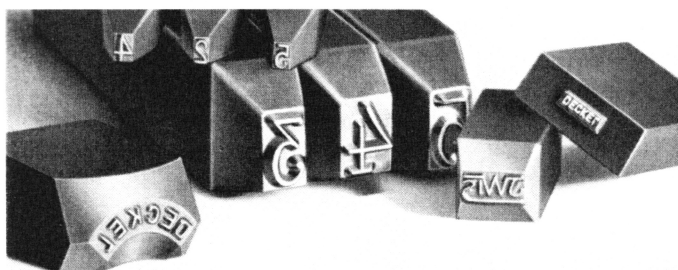


Fig. 3 – Marking punches duplicated from raised templates in Deckel Model GK letter engraving machines.

COMPOSITION OF TYPE SETS

Of all type face styles shown in this catalogue, both single characters and complete sets are available. Standard type sets include 82 characters, i.e. one template each for all letters of the alphabet (cf. Fig. 4). Enlarged type sets include 206 characters, the quantities of individ-

ual characters corresponding to their frequency of occurrence (see Fig. 5). As regards foreign languages, block type sets as per DIN-1451 are available; these also include letters bearing accents. All type sets are arranged for convenient use in suitable trays.



Fig. 5 – Enlarged Type Set
DIN-1451/IV Medium, Raised,
Reflected

Fig. 4 – Type Set DIN-1451/IV Medium, Sunk,
Direct-Reading



STYLES OF CHARACTERS AS PER GERMAN STANDARD SPECIFICATION DIN-1451

Block type characters, such as per DIN-1451, are most frequently used to mark mass-produced workpieces. It will be seen from pages 4 and 5 that eight different styles are available which are again made in six different widths. While the Specification DIN-1451 covers only

the "narrow", "medium" and "wide" styles, the intermediate styles "extra narrow", "medium narrow" and "medium wide", which are used where necessary due to lack of space, are based on the official standard specification.

STANDARD VERTICAL TYPE

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

I II III IV X

... ' " = + / ! ? & ()

How to order standard type templates as per DIN-1451,
medium width (IV): "Standard Type DIN-1451/IV"

ABCDEFGHIJKLMNOPQRSTUVWXYZ

ABCDEFGHIJKLMNOPQRSTUVWXYZ

1234567890

I II III IV X

... ' " = + / ! ? & ()

How to order standard type templates (capitals) as per DIN-1451,
medium width (IV): "Standard Type DIN-1451/IVa"

Stock No.
DIN 1451/

Friedr. Deckel I (extra narrow)

Friedr. Deckel II (narrow)

Friedr. Deckel III (medium narrow)

Friedr. Deckel IV (medium)

Friedr. Deckel V (medium wide)

Friedr. Deckel VI (wide)

FRIEDR. DECKEL I a (extra narrow)

FRIEDR. DECKEL II a (narrow)

FRIEDR. DECKEL III a (medium narrow)

FRIEDR. DECKEL IV a (medium)

FRIEDR. DECKEL V a (medium wide)

FRIEDR. DECKEL VI a (wide)

Stock No.
DIN 1451/

I f (extra narrow) Friedr. Deckel

II f (narrow) Friedr. Deckel

III f (medium narrow) Friedr. Deckel

IV f (medium) Friedr. Deckel

V f (medium wide) Friedr. Deckel

VI f (wide) Friedr. Deckel

I f a (extra narrow) FRIEDR. DECKEL

II f a (narrow) FRIEDR. DECKEL

III f a (medium narrow) FRIEDR. DECKEL

IV f a (medium) FRIEDR. DECKEL

V f a (medium wide) FRIEDR. DECKEL

VI f a (wide) FRIEDR. DECKEL

ABCDEFGHIJKLMNOPQRSTUVWXYZ
STUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 I II III IV X
... ' " = + / ! ? & ()

How to order standard type templates (with serifs) as per DIN-1451,
medium width (IV): "Standard Type DIN-1451/IVf"

ABCDEFGHIJKLMNOPQRSTUVWXYZ
TUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ
1234567890 I II III IV X
... ' " = + / ! ? & ()

How to order standard italic type templates (capitals with serifs) as per
DIN-1451, medium width (IV): "Standard Type DIN-1451/IV fa"

STANDARD ITALIC TYPE

Stock No.
DIN 1451/

I K (extra narrow) *Friedr. Deckel*

II K (narrow) *Friedr. Deckel*

III K (medium narrow) *Friedr. Deckel*

IV K (medium) *Friedr. Deckel*

V K (medium wide) *Friedr. Deckel*

VI K (wide) *Friedr. Deckel*

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 IIIIIIVX

.,,,''' = + / ! ? & ()

How to order standard italic type templates as per DIN-1451, medium width (IV): "Standard Type DIN-1451/IVk"

I Ka (extra narrow) *FRIEDR. DECKEL*

II Ka (narrow) *FRIEDR. DECKEL*

III Ka (medium narrow) *FRIEDR. DECKEL*

IV Ka (medium) *FRIEDR. DECKEL*

V Ka (medium wide) *FRIEDR. DECKEL*

VI Ka (wide) *FRIEDR. DECKEL*

ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ
1234567890 IIIIIIVX

.,,,''' = + / ! ? & ()

How to order standard italic type templates (capitals) as per DIN-1451, medium width (IV): "Standard Type DIN-1451/IVka"

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 IIIIIIVX
.,,,''' = + / ! ? & ()

How to order standard italic type templates (with serifs) as per DIN-1451, medium width (IV): "Standard Type DIN-1451/IVkf"

ABCDEFGHIJKLMNOPQRSTUVWXYZ
ABCDEFGHIJKLMNOPQRSTUVWXYZ
1234567890 IIIIIIVX
.,,,''' = + / ! ? & ()

How to order standard italic type templates (capitals with serifs) as per DIN-1451, medium width (IV): "Standard Type DIN-1451/IVkfa"

Stock No.
DIN 1451/

Friedr. Deckel I Kf (extra narrow)

Friedr. Deckel II Kf (narrow)

Friedr. Deckel III Kf (medium narrow)

Friedr. Deckel IV Kf (medium)

Friedr. Deckel V Kf (medium wide)

Friedr. Deckel VI Kf (wide)

FRIEDR. DECKEL I Kfa (extra narrow)

FRIEDR. DECKEL II Kfa (narrow)

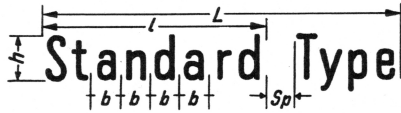
FRIEDR. DECKEL III Kfa (medium narrow)

FRIEDR. DECKEL IV Kfa (medium)

FRIEDR. DECKEL V Kfa (medium wide)

FRIEDR. DECKEL VI Kfa (wide)

How to calculate lengths of words and lines (as per German Standard Specification DIN-1451)



$$b = b_1 \times h$$

$$l = h \times \Sigma b_1$$

$$L = h \times (\Sigma b_1 + \Sigma Sp_1)$$

(Σ = sum total); the following table applies for italics also.

Ratios b_1 of useful widths b of letters, numerals and punctuation marks.

	A	B	C	D	E	F	G	H	I	J	K	L	M			
Extra Narrow	0.40	0.39	0.36	0.39	0.36	0.35	0.39	0.40	0.20	0.30	0.39	0.33	0.54			
Narrow	0.60	0.58	0.54	0.58	0.54	0.52	0.58	0.60	0.30	0.45	0.58	0.50	0.80			
Medium Narrow	0.76	0.78	0.71	0.78	0.71	0.67	0.78	0.79	0.34	0.58	0.78	0.61	1.00			
Medium	0.93	0.94	0.87	0.94	0.87	0.82	0.94	0.98	0.38	0.71	0.94	0.73	1.20			
Medium Wide	1.09	1.12	1.04	1.12	1.04	1.02	1.12	1.17	0.42	0.84	1.12	0.85	1.40			
Wide	1.25	1.30	1.20	1.30	1.20	1.12	1.30	1.35	0.45	0.97	1.30	0.97	1.60			
	N	O	P	Q	R	S	T	U	V	W	X	Y	Z			
Extra Narrow	0.40	0.39	0.36	0.39	0.39	0.36	0.30	0.39	0.35	0.60	0.35	0.35	0.35			
Narrow	0.60	0.58	0.54	0.58	0.58	0.54	0.45	0.58	0.52	0.86	0.52	0.52	0.52			
Medium Narrow	0.79	0.78	0.71	0.78	0.78	0.71	0.58	0.78	0.67	1.04	0.67	0.67	0.67			
Medium	0.98	0.94	0.87	0.94	0.94	0.87	0.71	0.94	0.82	1.23	0.82	0.82	0.82			
Medium Wide	1.17	1.12	1.04	1.12	1.12	1.04	0.84	1.12	1.02	1.41	1.02	1.02	1.02			
Wide	1.35	1.30	1.20	1.30	1.30	1.20	0.97	1.30	1.12	1.60	1.12	1.12	1.12			
	a	b	c	d	e	f	g	h	i	j	k	l	m			
Extra Narrow	0.39	0.39	0.34	0.39	0.39	0.30	0.39	0.39	0.20	0.22	0.39	0.22	0.60			
Narrow	0.58	0.58	0.50	0.58	0.58	0.40	0.58	0.58	0.30	0.32	0.58	0.32	0.86			
Medium Narrow	0.72	0.72	0.63	0.72	0.72	0.49	0.72	0.72	0.34	0.36	0.72	0.36	1.07			
Medium	0.87	0.87	0.75	0.87	0.87	0.58	0.87	0.87	0.38	0.40	0.87	0.40	1.29			
Medium Wide	1.00	1.00	0.88	1.00	1.00	0.66	1.00	1.00	0.42	0.44	1.00	0.44	1.50			
Wide	1.15	1.15	1.00	1.15	1.15	0.75	1.15	1.15	0.45	0.48	1.15	0.48	1.72			
	n	o	p	q	r	s	t	u	v	w	x	y	z			
Extra Narrow	0.39	0.39	0.39	0.39	0.38	0.34	0.30	0.39	0.34	0.54	0.34	0.34	0.34			
Narrow	0.58	0.58	0.58	0.58	0.47	0.50	0.40	0.58	0.50	0.80	0.50	0.50	0.50			
Medium Narrow	0.72	0.72	0.72	0.72	0.54	0.63	0.49	0.72	0.63	1.00	0.63	0.63	0.63			
Medium	0.87	0.87	0.87	0.87	0.61	0.75	0.58	0.87	0.75	1.20	0.75	0.75	0.75			
Medium Wide	1.00	1.00	1.00	1.00	0.68	0.88	0.66	1.00	0.88	1.40	0.88	0.88	0.88			
Wide	1.15	1.15	1.15	1.15	0.75	1.00	0.75	1.15	1.00	1.60	1.00	1.00	1.00			
	ß	1	2	3	4	5	6	7	8	9	0	I	II			
Extra Narrow	0.39	0.30					0.36					0.20	0.36			
Narrow	0.58	0.42					0.55					0.32	0.54			
Medium Narrow	0.72	0.47					0.67					0.39	0.66			
Medium	0.87	0.54					0.79					0.46	0.77			
Medium Wide	1.00	0.59					0.92					0.53	0.89			
Wide	1.15	0.66					1.04					0.60	1.00			
	III	V	X	&	.	:	,	;	'	..	"	-	/	()	!	?
Extra Narrow	0.56	0.40	0.40	0.46			0.20			0.39	0.32	0.20	0.22	0.39		
Narrow	0.70	0.60	0.60	0.70			0.30			0.58	0.47	0.32	0.35	0.58		
Medium Narrow	0.85	0.77	0.77	0.85			0.34			0.72	0.53	0.41	0.40	0.72		
Medium	1.00	0.93	0.93	1.00			0.38			0.87	0.59	0.49	0.45	0.87		
Medium Wide	1.15	1.09	1.09	1.15			0.42			1.00	0.65	0.57	0.50	1.00		
Wide	1.30	1.25	1.25	1.30			0.45			1.15	0.70	0.65	0.55	1.15		

Ratios Sp_1 of spaces Sp between words (or letters)

Space $Sp = Sp_1 \times$ height of letter h

Designation	$1/24 Sp$	$1/16 Sp$	$1/12 Sp$	$1/8 Sp$	$1/6 Sp$	$1/4 Sp$	$1/3 Sp$	$1/2 Sp$	$1/1 Sp$
Sp_1	0,063	0,094	0,125	0,19	0,25	0,38	0,5	0,75	1,5

For a simplified approximative calculation of the length of a given line the following average values of b_1 may be used:

Style of Type	Average Values of Ratios b_1	Average Space Between Words	Length of line $L = b_1 \times h \times$ number of letters
Extra Narrow	0,38	$1/4 Sp$	Max. width of stroke, extra narrow type: $1/10 h$
Narrow	0,5	"	Max. width of stroke, narrow to wide type: $1/7 h$
Medium Narrow	0,63	$1/3 Sp$	The German Standard Specification DIN-1451 includes only narrow, medium and wide type. The three additional styles have been added by Deckel for the sake of greater convenience where space is at a premium.
Medium	0,75	"	
Medium Wide	0,88	$1/2 Sp$	
Wide	1	"	

Skeleton Characters and Special Purpose Templates

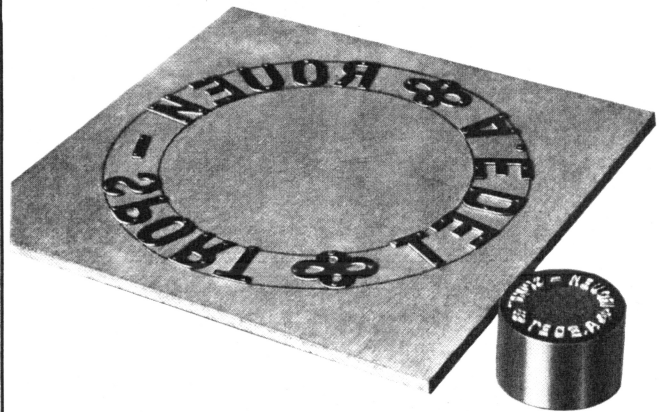
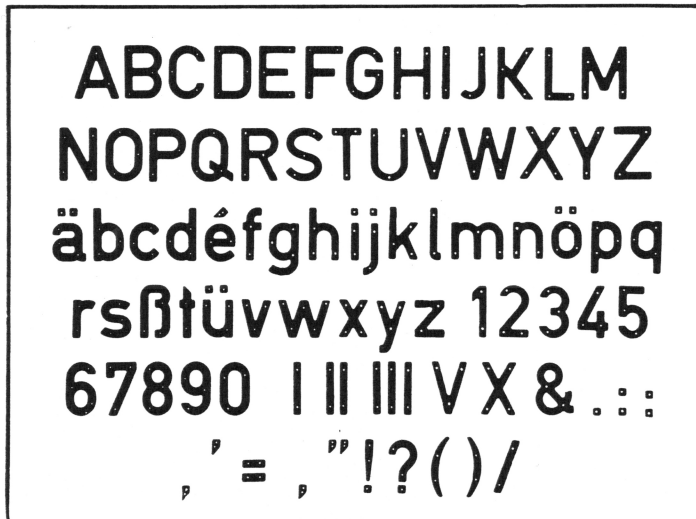


Fig. 6 – Skeleton Characters Pinned to Plywood Board; right: the Engraved Stamp.

SKELETON CHARACTERS

Letter templates of this type for engraved characters in raised form permit any desired arrangement, for example along a circle as shown in Fig. 6, or along oval or straight lines. These cut-out characters may be used for direct-reading letterings or, by reversing them, for reflected type letterings. They are available in all of the standard

styles shown (height 20 mm. = $\frac{3}{4}$ in.) and in the widths I to VI. For use, these characters are mounted in the desired manner on a wooden board or a metallic baseplate, either by means of pins for which holes have been provided in the templates, or with the aid of bee glue.

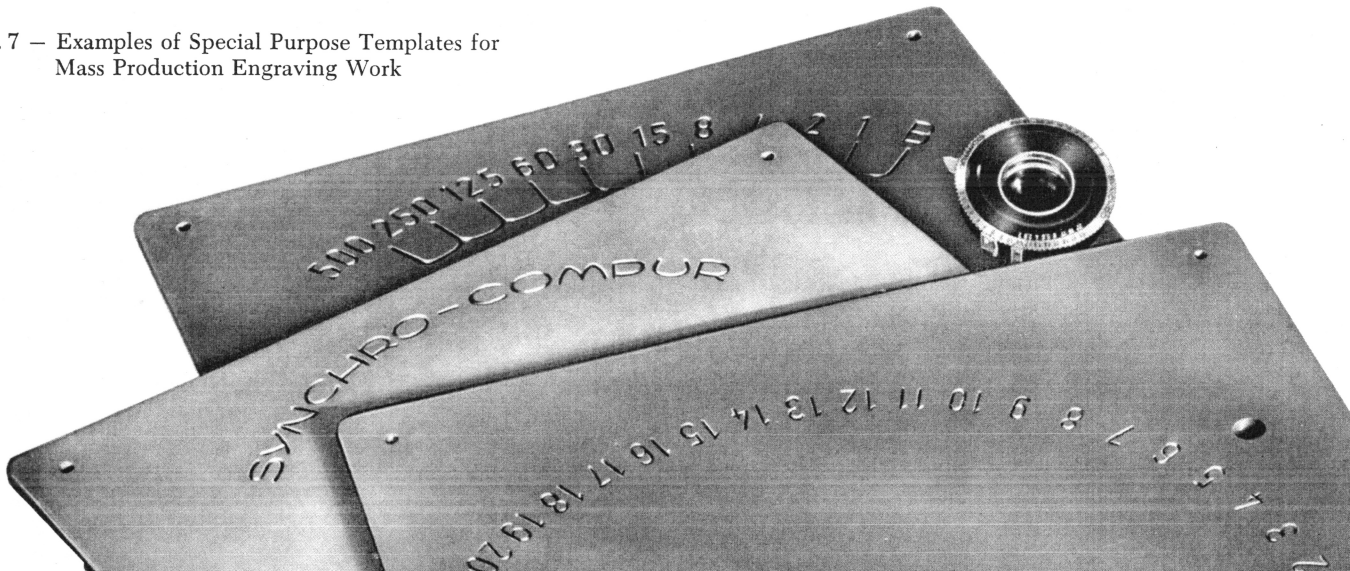
SPECIAL PURPOSE TEMPLATES

For the purpose of engraving mass-produced parts with brand names, manufacturer's names, trade marks, figural patterns, script signatures and the like, which cannot be composed of standard type material, it is recommended to use special purpose templates. Such templates may be made of some easy-to-machine material such as brass, aluminium, zinc, celluloid or plastic. When selecting a suitable template material, it is necessary to consider the hardness of the material to be engraved, the number of parts involved, and also the area to be covered. Where large quantities of parts have to be engraved

on a mass-production scale, special-purpose templates should be made of steel; for high-duty service, such templates may even be case-hardened. A few examples are shown in Fig. 7. Steel templates should also be used where heavy cuts are repeatedly taken from very hard materials; since the machining of tough materials results in a considerably higher pressure between the tracing stylus and the template, soft-metal templates would be subject to premature wear.

Where special-purpose templates are required, Deckel is prepared to furnish detailed advice.

Fig. 7 – Examples of Special Purpose Templates for Mass Production Engraving Work



GROTESQUE

SPECIAL TYPE

Special Type No. 1
Standard Set: 68 Characters
Enlarged Set: 192 Characters
Available in direct-reading
or reflected type, sunk

ABCDEFGHIJKLMNOPQRSTUVWXYZ
vwxyz abcdefghijklmnopqrs
{ßtuvwxyz „&°/-()»«;:.,'
1 2 3 4 5 6 7 8 9 0

Special Type No. 2
Double-Line or Solid Type
Standard Set: 76 Characters
Enlarged Set: 191 Characters
Available in direct-reading
or reflected type, sunk

ABCDEFGHIJKLMNOPQRSTUVWXYZ
ÜVWXYZ
äbcdefghijklmnöpqrstüvwxyz
1234567890 IIMVVX &°-!,<>*

Special Type No. 3
Double-Line or Solid Type
Standard Set: 105 Characters
Enlarged Set: 191 Characters
Available in direct-reading
or reflected type, sunk

ABCDEFGHIJKLMNOPQRSTUVWXYZ
äbcdefghijklmnöpqrstüvwxyz
1234567890 IIMVVVIIIXXI
ÄGMNSVWZäsßvwz -&?!/()°=.:,:',','+

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 &°/-..!

Special Type No. 4
Double-Line or Solid Type
Standard Set: 67 Characters
Enlarged Set: 191 Characters
Available in direct-reading
or reflected type, sunk

ABCDEFGHIJKLMNNOQRSTUVWXYZ
1234567890

Special Type No. 5
Standard Set: 39 Characters
Enlarged Set: 100 Characters
Available in direct-reading
or reflected type, sunk

ABCDEFGHIJKLMNO
PQRSTUVWXYZ &.

Special Type No. 6
Double-Line, Double-Line Shaded,
or Solid Type
Standard Set: 28 Characters
Enlarged Set: 68 Characters
Available in direct-reading
or reflected type, sunk

TEMPLATES

ROMAN

Special Type No. 7
Standard Set: 62 Characters
Enlarged Set: 191 Characters
Available in direct-reading
or reflected type, sunk

ABCDEFGHIJKLMNOPQRSTUVWXYZ
UVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890

Special Type No. 8
Standard Set: 62 Characters
Enlarged Set: 191 Characters
Available in direct-reading
or reflected type, sunk

**ABCDEFGHIJKLMNOPQRSTUVWXYZ
TUVWXYZ äbcdefghijklm
I II III V X nöpqrstüvwxyz
1234567890**

Special Type No. 9
Standard Set: 76 Characters
Enlarged Set: 191 Characters
Available in direct-reading
or reflected type, sunk

**ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 I II III V X .,-°& äüöß**

ABCDEFGHIJKLMNOPQRSTUVWXYZ
UVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 &°-.,

Special Type No. 10
Double-Line or Solid Type
Standard Set: 67 Characters
Enlarged Set: 191 Characters
Available in direct-reading
or reflected type, sunk

ABCDEFGHIJKLMNOPQRSTUVWXYZ
UVWXYZ.
1234567890

Special Type No. 11
Standard Set: 37 Characters
Enlarged Set: 97 Characters
Available in direct-reading
or reflected type, sunk

ABCDEFGHIJKLMNOPQRSTUVWXYZ
STUVWXYZ
abcdefghijklmnopq
rstuvwxyz123456789

Special Type No. 12
Standard Set: 62 Characters
Enlarged Set: 191 Characters
Available in direct-reading
or reflected type, sunk

Special Type No. 13
Standard Set: 40 Characters
Enlarged Set: 120 Characters
Available in direct-reading
or reflected type, sunk

ÄBCDEFGHIJKLMNOPQRST
UVWXYZ
&-.,1234567890

Special Type No. 14
Double-Line or Solid Type
Standard Set: 80 Characters
Enlarged Set: 204 Characters
Available in direct-reading
or reflected type, sunk

ÄBCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz ß ç è é
1234567890 &?!@=() ; , ' .

Special Type No. 15
Double-Line or Solid Type
Standard Set: 72 Characters
Enlarged Set: 192 Characters
Available in direct-reading
or reflected type, sunk

ÄBCDEFGHIJKLMNOPQRSTUVWXYZ
UVWXYZ
abcdefghijklmnopqrstuvwxyz ß ç è é
1234567890 &@-.,

Special Type No. 16
Double-Line or Solid Type
Standard Set: 72 Characters
Enlarged Set: 192 Characters
Available in direct-reading
or reflected type, sunk

ÄBCDEFGHIJKLMNOPQRSTUVWXYZ
UVWXYZ
abcdefghijklmnopqrstuvwxyz ß ç è é
1234567890 &@-.,!

Special Type No. 17
Standard Set: 83 Characters
Enlarged Set: 191 Characters
Available in direct-reading
or reflected type, sunk

ÄBCDEFGHIJKLMNOPQRSTUVWXYZ
UVWXYZ
ä b c d e f g h i j k l m n ö p q r s t u v w x y z
1234567890 I II III V X & @ \$? . : ; , ! () , " ' - /

Special Type No. 18
Standard Set: 70 Characters
Enlarged Set: 191 Characters
Available in direct-reading
or reflected type, sunk

ÄBCDEFGHIJKLMNOPQRSTUVWXYZ
UVWXYZ
ä b c d e f g h i j k l m n ö p q r s t u v w x y z
1234567890 ? ! @ & , - ()

TEMPLATES

Script

A B C D E F G H I J K L M N O P Q R S T
U V W X Y Z

abcdefghijklmnopqrstuvwxyz
1234567890 G H L ä ö ü - 0/°.,

Special Type No. 19
Standard Set: 74 Characters
Enlarged Set: 191 Characters
Available in direct-reading
or reflected type, sunk

A B C D E F G H I J K L M N O P
Q R S T U V W X Y Z
abcdefghijklmnopqrstuvwxyz
1234567890 & 0. .,

Special Type No. 20
Standard Set: 67 Characters
Enlarged Set: 191 Characters
Available in direct-reading
or reflected type, sunk

A B C D E F G H I J K L M N O P Q R
S T U V W X Y Z
ä b c d e f g h i j k l m n ö p q r s t ü v w x y z
1234567890 & 0-.,

Special Type No. 21
Double-Line or Solid Type
Standard Set: 67 Characters
Enlarged Set: 191 Characters
Available in direct-reading
or reflected type, sunk

A B C D E F G H I J K L M
N O P Q R S T U V W X Y Z
abcdefghijklmnopqrstuvwxyz
1234567890 & 0-.,

Special Type No. 22
Standard Set: 67 Characters
Enlarged Set: 191 Characters
Available in direct-reading
or reflected type, sunk

A B C D E F G H I J K L M N O
P Q R S T U V W X Y Z 12345
67890 & 0-., a b c d e f g h i j k l m n o
p q r s s ß t u o w x y z ß ft

Special Type No. 23
Standard Set: 71 Characters
Enlarged Set: 191 Characters
Available in direct-reading
or reflected type, sunk

A B C D E F G H I J K L M N O P Q R S
T U V W X Y Z ä ö ü ß & - 0.,
abcdefghijklmnopqrstuvwxyz
1234567890

Special Type No. 24
Standard Set: 70 Characters
Enlarged Set: 191 Characters
Available in direct-reading
or reflected type, sunk

Special Symbols · Clamps · Template Holders

○△□▽←→↔↕↖↗↘↙↚↛↜↝↞↠↡↢↣↤↥↦↧↨↩↪↫↬↭↮↯↰↱↲↳↴↵↶↷↸↹↺↻↼↽↾↿↺↻↼↽↾↿↺↻↼↽↾↿

μ<Ω∅∇/m/m≅≈≠±×∞%*§

¢†&?.,"/=!()°°°;...

Special Symbols, No. 25
Standard Set: 57 Symbols
Available in direct-reading
or reflected type, sunk

SPACES

Spaces ranging in width from 1 mm. (0.0394 in.) to 10 mm. (0.395 in.) are available for the purpose of increasing the spaces between words and individual letters. Each set of type templates includes an assortment of spaces.

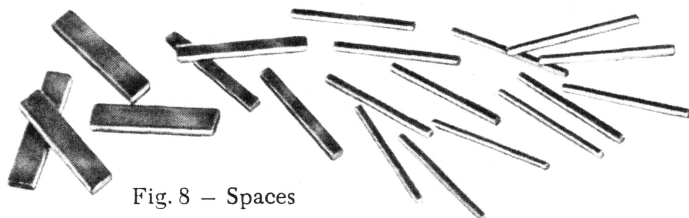


Fig. 8 — Spaces

TEMPLATE CLAMPS

The copy stops which can be inserted into the copyholder slots, serve to lock the templates laterally.

Stock No.	For Type Templates
4047 000010 (metr. type)	20 mm.
4047 200010 (inch type)	$\frac{3}{4}$ in.
4047 000012 (metr. type)	40 mm.

The clamping straps, which can be inserted into the slots of the copyholder table of Model G 1 U / L engraving machines, serve to locate special-purpose templates.

Stock No.	Clamping Range (Height)
4047 000011 (metr. type)	Up to 10 mm.
4047 200011 (inch type)	Up to $\frac{3}{8}$ in.

Copy Stops



Clamping Strap

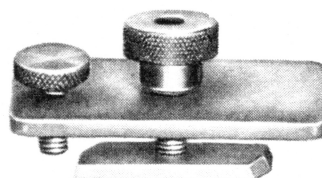


Fig. 9 — Template Clamps

TEMPLATE (COPY) HOLDERS

The twin-groove copy holder receive two rows of type templates made of metal (height 20 mm. = $\frac{3}{4}$ in.); T-slot bolts are used to mount these holders on the copy holder table of GK and KF type machines.

Stock No. (inch type): 6015 200000; (metr.): 6015 000000
Size $4\frac{3}{4}'' \times 17\frac{5}{16}''$ (120 × 440 mm.)
Weight, approx. 12.6 lbs. (5.7 kgs.)

For copy strips the characters of which are 40 mm. (.79") high, the Single Groove Copy Holders are available.

	Size 1	Size 2
Stock No.	4015 000 101	4015 000 102
Size	$3\frac{15}{16}'' \times 19\frac{5}{8}''$ (100 × 500 mm.)	$3\frac{15}{16}'' \times 31\frac{1}{2}''$ (100 × 800 mm.)
Weight, approx.	2.2 lbs. (1 kgs.)	3.3 lbs. (1.5 kgs.)

Fig. 10 — Template Holder 6015

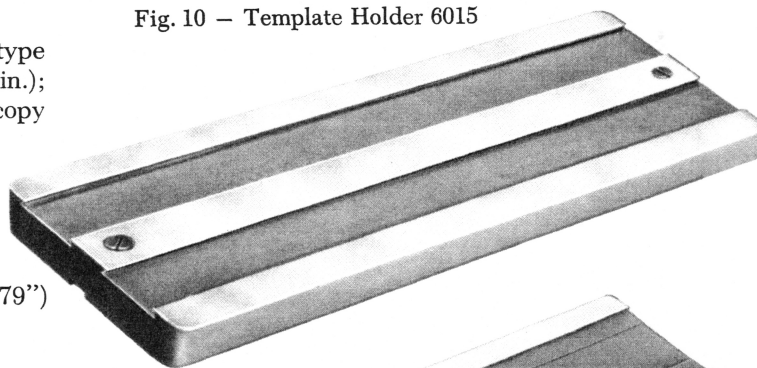
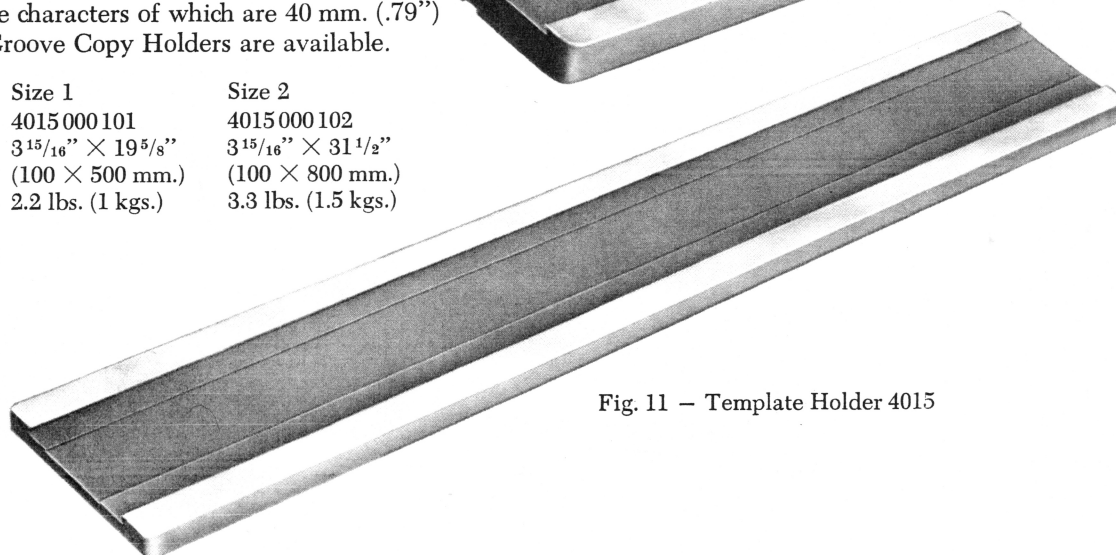


Fig. 11 — Template Holder 4015



SPECIAL TEMPLATE DEVICES

UNIVERSAL COPY DIAL

This copy dial consists of a fixed and a revolving part. The baseplate is fastened in a simple way to the copy-holder table by means of a small hand lever. The face is provided with studs engaging the index holes and notches on the copy dial. An indexing pawl engages the notches on the periphery of the dial plate and holds the face in the desired position.

Stock No. for G-Machines (inch type) 4012200000, (metr.) 4012200000

Stock No. for GK-Machines 4512000000

Outside Diam. $7\frac{7}{8}$ " (200 mm.); Weight 3.8 lbs. (1.7 kgs.)

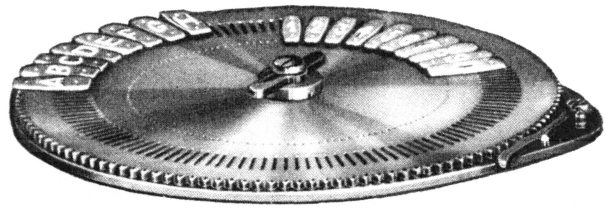


Fig. 12 — Universal Copy Dial

SERIAL NUMBERING HOLDER

Facilitates the engraving of consecutive numbers as well as frequently changing serial and model numbers. This fixture comprises a baseplate and seven longitudinally adjustable copy strips which can be locked in position by detent pins. Number and letter strips can be inserted as required to provide any desired combination.

Stock No. 4017000000

Size $4" \times 7\frac{7}{8}"$ (100×200 mm.); Weight 4 lbs. (1.8 kgs.)

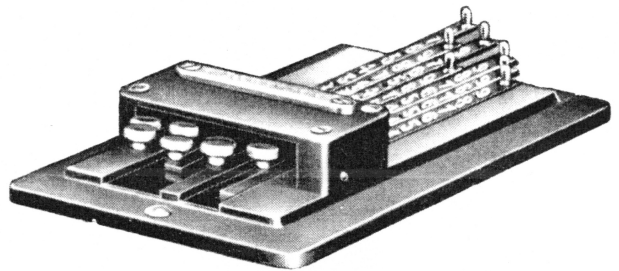


Fig. 13 — Serial Numbering Holder

NUMBERING WHEEL ENGRAVING DEVICE

with copy holder and $\frac{1}{2}"$ (12 mm.) spring collet. Intended for the engraving of numbering wheels, date wheels and similar work. The bracket casting with a quill clamp supports a 10-position indexing disc and an arbor serving to locate the work. A springloaded detent lever locks the indexing disc in its various positions. (Indexing discs and spring collets of different design are available as optional equipment.)

Stock No. (inch type): 4014200000; (metr.): 4014000000

Max. thickness of work: 2" (50 mm.) Weight 8.8 lbs. (4 kgs.)

This device can be supplied with a master copy strip with raised reflected numerals (see fig.). Special strips available upon request.

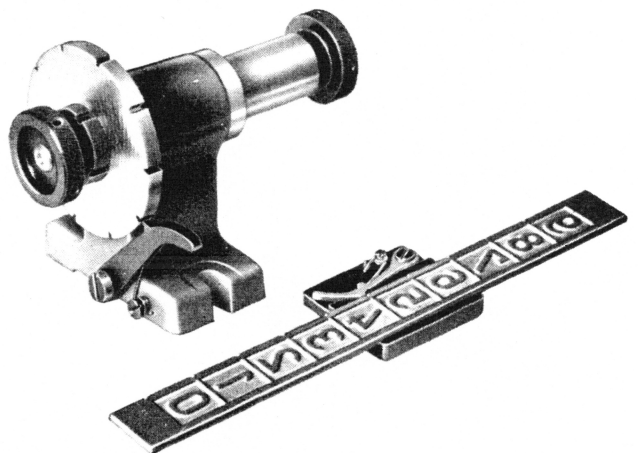


Fig. 14 — Numbering Wheel Engraving Device

TABLE of Standard and Special Type Forces

D I N 1451	STANDARD TYPE		STANDARD TYPE CAPITALS		STANDARD ITALICS		STANDARD ITALICS CAPITALS	
	Without Serif	With Serif	Without Serifs	With Serifs	Without Serifs	With Serif	Without Serif	With Serifs
Extra Narrow	Fr I	Fr I f	FR I a	FR I fa	Fr I k	Fr I kf	FR I ka	FR I kfa
Narrow	Fr II	Fr II f	FR II a	FR II fa	Fr II k	Fr II kf	FR II ka	FR II kfa
Medium Narrow	Fr III	Fr III f	FR III a	FR III fa	Fr III k	Fr III kf	FR III ka	FR III kfa
Medium	Fr IV	Fr IV f	FR IV a	FR IV fa	Fr IV k	Fr IV kf	FR IV ka	FR IV kfa
Medium Wide	Fr V	Fr V f	FR V a	FR V fa	Fr V k	Fr V kf	FR V ka	FR V kfa
Wide	Fr VI	Fr VI f	FR VI a	FR VI fa	Fr VI k	Fr VI kf	FR VI ka	FR VI kfa

Fig. 15 — Table of Standard Type Faces (as per DIN-1451)

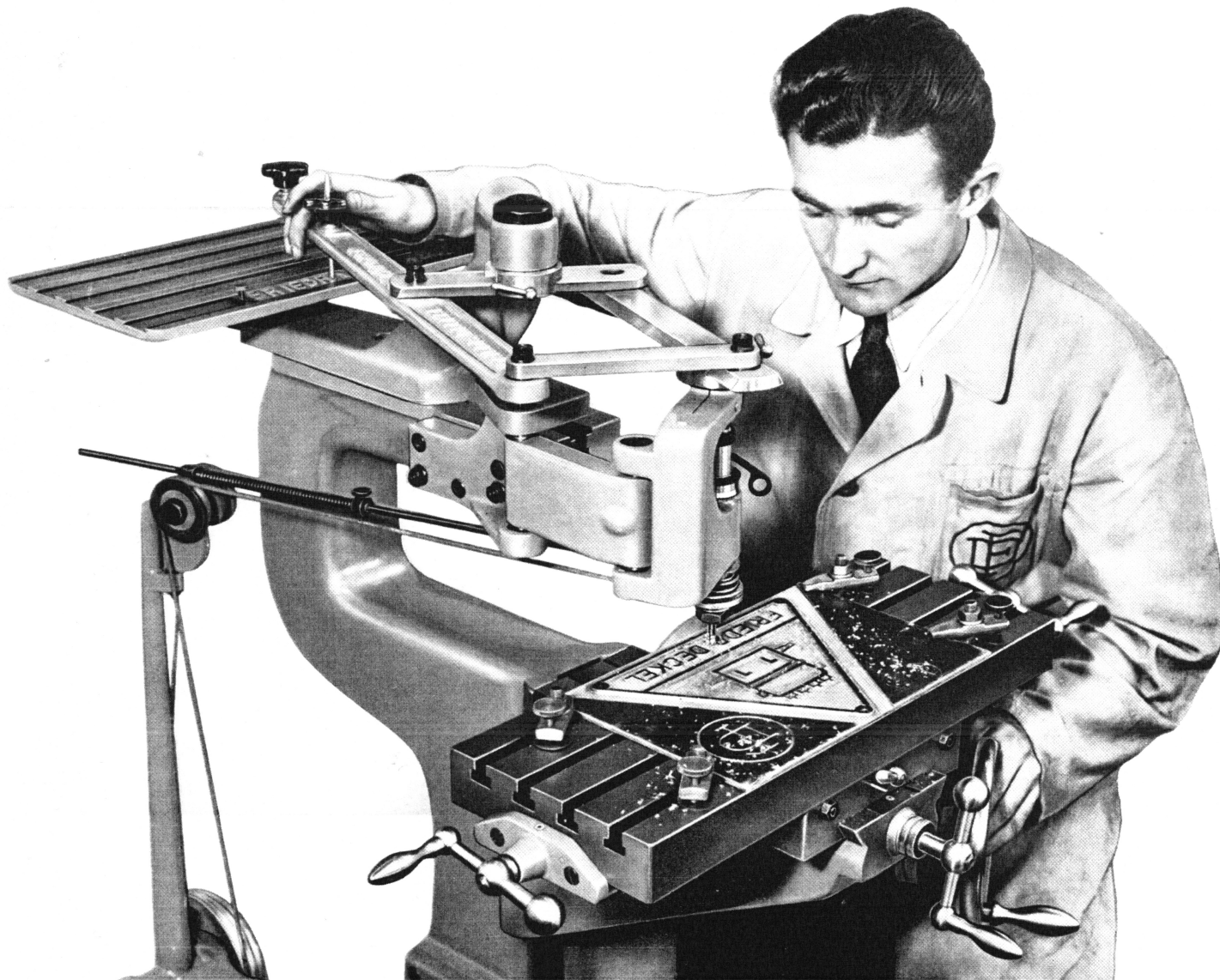


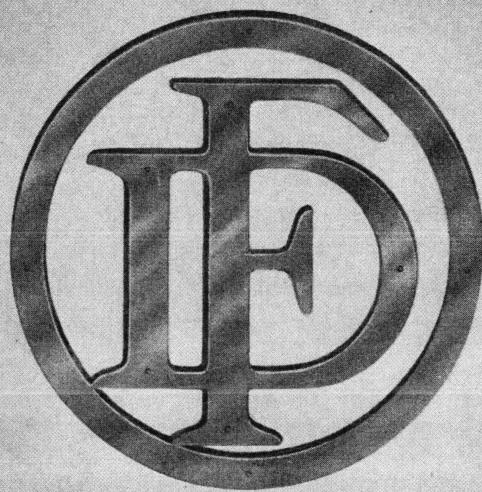
Fig. 16 — Table of Special Type Faces (Nos. 1-25)

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DESIGNS AND DIMENSIONS ARE SUBJEKT TO ENGINEERING CHANGES WITHOUT NOTICE

FRIEDRICH DECKEL

PRÄZISIONSMECHANIK UND MASCHINENBAU

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